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OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT
APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A
FILING DATE UNDER 35 USC 111.

APPLICATION NUMBER: 09/348,812

FILING DATE: July 07, 1999

PCT APPLICATION NUMBER: PCT/US00/01456

By Authority of the
COMMISSIONER OF PATENTS AND TRADEMARKS



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09/684,403 :A61

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT APPLICATION TRANSMITTAL

ASSISTANT COMMISSIONER OF PATENTS
Box Patent Application
Washington, D.C. 20231

Attorney Docket No. 22947.00100
Prior Application Number
Art Unit
Examining
PTO Customer Number

Sir:

Transmitted herewith for filing is a utility patent application of

Sashidhar P. Reddi, 135 S. 19th Street, Apt. 1611, Philadelphia, PA 19103

for: METHOD AND SYSTEM FOR LOW VOLUME BUYERS TO AGGREGATE PURCHASING

POWER

ENCLOSED are the following:

1. ☒ Specification, abstract and claims of 21 pages.
2. ☒ 7 sheets of ☒ formal ☐ informal drawings ☐ No drawings.
3. ☒ Declaration (original or copy) signed by the named inventor(s).
4. ☐ Preliminary Amendment
5. ☐ Information Disclosure Statement
6. ☒ Other: Assignment of the invention to ICOOP, Inc.

NOTE the following:

7. ☒ Applicant is a small entity. Small Entity Statement previously filed with Provisional Application
Serial No. 60/116,920 - 50% Filing Fee Reduction (if applicable)
8. ☐ The prior application is assigned to
9. This application is a:
☐ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of Prior Application

Filed:

10. ☒ Priority of the following application(s) is (are) claimed under 35 U.S.C. 119:

Serial No.	Date Filed	Country	Certified Copy of Priority Doc. Filed	
			USSN or PCT#	Date
60/116,920	January 22, 1999	USA		

11. ☐ An Extension of Time is filed concurrently herewith for the parent application.
12. ☐ Cancel claims _____ prior to calculation of the filing fee.

FILING FEE: calculated below (after accounting for any preliminary amendment or claims cancellations if noted above):

03-3821-070749

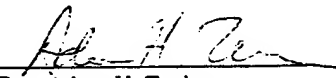
<input checked="" type="checkbox"/>	Total Claims	28	Total Claims Subject to Fees: 8	\$144.00
<input checked="" type="checkbox"/>	Independent Claims	4	Total Claims Subject to Fees: 1	\$78.00
<input type="checkbox"/>	Multiple Dependent Claims			\$
<input checked="" type="checkbox"/>	Basic Filing Fee			\$760.00
<input type="checkbox"/>	Extension Fees			\$
	Sub-Total			\$982.00
<input checked="" type="checkbox"/>	Less Small Entity Fee Reduction			\$491.00
<input checked="" type="checkbox"/>	Assignment Recordal Fees	1		\$40.00
	Total Fees			\$531.00

☒ Check(s) no. 453076 in the amount of \$531.00 is enclosed (must at least cover the basic fee). If no check or an insufficient check is enclosed and a fee is due herewith, the Commissioner is authorized to charge any fee or additional fee due in connection herewith to Deposit Account No. 03-3821, referencing Attorney Docket No. 22947.00100. A duplicate of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge any additional fees (or credit any overpayment) associated with this communication and which may be required under 37 CFR § 1.16 or 1.17 to Deposit Account No. 03-3821, referencing Attorney Docket No. 22947.00100. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: July 7, 1999


By: Adam H. Tachner
Registration No.: 40,343

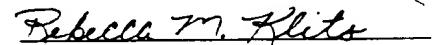
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**METHOD AND SYSTEM FOR LOW VOLUME BUYERS TO
AGGREGATE PURCHASING POWER**

Inventor: Sashidhar P. Reddi

CROSS REFERENCE TO RELATED APPLICATIONS

5 This application depends for priority upon U.S. Provisional Patent
Application Serial Number 60/116,920, entitled METHOD AND SYSTEM FOR
LOW VOLUME BUYERS TO AGGREGATE PURCHASING POWER TO GAIN
HIGH VOLUME DISCOUNTS, filed January 22, 1999, which is incorporated
herein by reference. Also, this application is related to concurrently filed and
10 compending Application Serial Number <new>, entitled METHOD AND
SYSTEM FOR BUYER INITIATED AGGREGATING OF BUYERS TO OBTAIN
DESIRED PRODUCTS AT DISCOUNTED PRICES, which is dependent for
priority upon U.S. Provisional Patent Application Serial Number 60/116,729,
filed January 22, 1999, both of which applications are incorporated herein by
15 reference.

BACKGROUND OF THE INVENTION

Field of the Invention

 The present invention relates generally to electronic commerce and
more particularly to forming temporary online communities to aggregate
20 buying power and thereby reduce the purchase price of products of interest to
the communities.

Description of the Related Art

 Many vendors offer discounts for purchasing in high volumes. Typically
the purchasing entity is a large corporation that is purchasing a high volume
25 of a product either for its own consumption or to offer the product for sale to
other entities who buy smaller units of the product. It is normally not possible

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for an individual buyer or a small company to avail itself of these high volume discounts.

In the physical world, companies such as Sam's Club and Costco allow individuals and small companies to become members of their "purchasing club." Being a member of these clubs allows an individual to benefit from the purchasing power of the entire club membership. There are four important aspects to club membership. First, the membership is an up-front commitment, typically an annual membership with some nominal membership fee. Second, the membership allows the member a lower price on all the products carried by the Club-- that is, typically there is a price advantage over non-members for all products. Next, though a particular product may be offered by multiple vendors, the members do not get directly involved in negotiating with a particular vendor-- the Club negotiates the discount and each member decides whether he would like to buy the product or not at the stated price. Finally, since the negotiation is done directly by the Club, the members typically do not (and, indeed, have no reason to) coordinate their activities to decrease the price they pay for a product. Thus, purchasers taking advantage of the available buying clubs are locked into a pre-defined arrangement and have no direct input into the choice of products offered or the discount available, nor are they able to coordinate their choices with other buyers.

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SUMMARY OF THE INVENTION

To address the shortcomings of the available art, the invention allows buyers to aggregate their purchasing power to obtain volume discounts for specific products by using the Internet or a similar wide area network for

5 buyers to coordinate purchasing of a given product and provide a communication and transaction medium for the buyers and the vendors. For example, an embodiment of the invention is a computerized system comprising: a) a Merchandise Submission Form to obtain sale information about a product from a vendor; b) a Bid Submission Form to obtain bid

10 information for the product from a plurality of buyers; c) a Vendor Process Manager to store sale information in a Sale Database; d) a Bid Process Manager to store bid information in a Bid Database; and e) a Sale manager to match bid information and sale information and generate orders for the product. Preferably, the system provides that the vendor employ a volume

15 discount price schedule. The system allows buyers to place and withdraw bids after the Start Time of the sale. After the Hold Time, only new bids and increased bids are allowed. Ideally, both the buyers and the vendor(s) communicate with the system via a wide area network such as the internet. However, other means of submitting and receiving information from the

20 system are possible including automated telephone systems or even direct input and output, such as keyboard, monitor and printer.

In another embodiment, the system comprises a) Vendor Process means for obtaining sale information from a vendor about a product; b) Bid Process

25 means for obtaining bid information for the product from a plurality of buyers; and c) a Sale means for matching bid information and sale information and generating orders for the product. The invention also is a computer-implemented method comprising the steps of a) obtaining sale information about a product from a vendor; b) obtaining bid information for the product

5 above steps.

SECRET

BRIEF DESCRIPTION OF THE DRAWINGS

The aforementioned advantages of the invention, as well as additional advantages thereof, will be more fully understood as a result of a detailed description of a preferred embodiment when taken in conjunction with the accompanying drawings in which:

FIG. 1 is a schematic diagram of the inventive system including databases, managers, and input/output forms;

FIG. 2 is a flow chart illustrating the operation of the Vendor Process Manager of the present invention;

FIG. 3 is a flow chart illustrating the operation of the Bid Process Manager of the present invention;

FIG. 4 is a flow chart illustrating the operation of the Sale Manager of the present invention;

FIG. 5 is a flow chart illustrating the operation of the Invitation Manager of the present invention.

While the invention is susceptible to various modifications and alternative forms, specific embodiments thereof have been shown by way of example in the drawings and will herein be described in detail. It should be understood, however, that the detailed description is not intended to limit the invention to the particular forms disclosed. On the contrary, the intention is to cover all modifications, equivalents, and alternatives falling within the spirit and scope of the invention as defined by the appended claims.

DETAILED DESCRIPTION OF THE INVENTION

In a preferred embodiment of the present invention, the sale process is divided into three time periods. Once a vendor has submitted information about a product, it is assigned a "Start Time," a "Hold Time" and a "Close Time". After the Start Time, buyers are free to place bids for the product. At the Close Time, any valid bids are processed and the product is sold at the price dictated by the number of bids. The Hold Time freezes a maximum price for the product by requiring users who have an open bid at the Hold Time to honor that bid. After the Hold Time users cannot withdraw or decrease their bids, although they may increase it or add a new bid. Until the Hold Time, the user has complete freedom. Any buyer who had indicated an interest in the product can decide to increase the number of units being bid for, introduce a new bid, decrease the number of units being bid for, or withdraw a bid completely.

Multiple vendors are invited to publish a description of the products they offer along with a price schedule that offers the price for a particular volume of the product. For example, a vendor could state a price schedule as illustrated in Table 1:

Number of units purchased at one time	Price per unit
1	\$100
5	\$95
10	\$85
50	\$75
100	\$65
1000 +	\$50

Table 1

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The above price schedule is quite typical, and might apply to products such as computers, books, CDs, and airline tickets, to name just a few.

In another example, the vendor desires \$10,000 for an amount of product up to a set maximum. The vendor specifies, for example, a maximum of 5,000 buyers. Accordingly, the price per buyer is \$10,000 divided by the number of buyers up to a maximum of 5,000. While this price schedule is currently not in much use, in the future it could be used as a means of selling products with a fixed cost of production and small or almost zero distribution costs. Examples of such products are research reports, music recordings, films, sporting events, and software. Without the method and system of the present invention, it would not be possible for a vendor to sell a product directly to the consumer using such a price schedule.

The vendor then sets the time frame for the sale by stating that the sale will open at Start Time and end at Close Time. The total number of buyers registered for the sale at Close Time would be aggregated and the final sale price for the product would be computed based on the total number of units for which the buyers have placed an order.

As shown in FIG. 1, one embodiment of the invention comprises a computer system comprising a number of software modules that generally include Forms that allow the input of information from vendors and buyers, Databases that organize and process the buyer and vendor information, and Managers that communicate the information between the Forms and the Databases.

Specifically, the Forms comprise: Merchandise Submission Form 102, which enables vendors to submit information about the products they want to offer; Invitation Submission/Acceptance Form 104, which enables buyers to

invite others to the system and invited buyers to accept the invitation; and Bid Submission Form 106, which enables buyer to submit bids.

5 The Managers process and control the flow of information from the Forms and the Databases and comprise: Vendor Process Manager 110, which controls the products placed for sale by a vendor; Sale Manager 112, which controls the initiation and the closing of a sale; Invitation Manager 114, which controls the invitation of other potential buyers to join the bidding process for a particular product; and Bid Process manager 116; which controls the buyer's bids for a particular product being offered for sale. Functional details
10 of the Managers are shown in FIGs. 2-5 and described below.

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15 The Databases process the product, vendor and bid information and comprise: Vendor Database 120, which stores information about all the participating vendors; Customer Database 122, which stores information about all the customers registered to participate in online purchasing; Merchandise Description Database 124, which stores information about each product offered for sale; Sales Database 126, which stores information about each sale known to the system; Bid Database 128, which stores all the bids registered by customers for each sale; and Orders Database 130, which stores orders at the consummation of a Sale.

20 The operation of Vendor Process Manager 110 is illustrated by flow chart in FIG. 2. Generally, a vendor uses Merchandise Submission Form 102 to submit information to Vendor Process Manager 110 to first register himself, if he or she is not already registered. The vendor then submits product information to be stored in the system. These functions are outlined
25 by the following steps. At step 201, the system checks to see if the vendor is registered. This step also authenticates the vendor's identity. Various methods of identifying a vendor are envisioned, including reading the vendor's

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network address, and other methods that will be known and understood by those skilled in the art to which the present invention pertains. At step 202, the vendor submits identifying information and registers with the system if the vendor is currently not registered with the system. At step 203, Vendor
5 Process Manager 110 processes information from Merchandise Submission Form 102. Specifically, the information is checked for validity and completeness, including ensuring that the vendor provides a volume-based price schedule for the product. If the vendor fails to provide a volume discount or if the information is incomplete or otherwise incorrect, at step
10 204 the vendor is notified of the error and prompted to correct the information. At step 205 the verified merchandise description is forwarded to Merchandise Description Database 124. Finally, at step 206 the Sales Database 126 is updated with a new sale record containing information about the sale of the new merchandise just added to the Merchandise Description
15 Database 124.

FIGs. 3A and 3B are flow charts illustrating the operation of Bid Process Manager 116, allowing a prospective buyer to register his interest in purchasing a particular product offered for sale by placing a bid for the product. FIG. 3A illustrates that at step 301 the system checks the
20 prospective buyer to see whether he or she is registered with the system. This also includes any authentication steps to verify the customer's identity. Preferably, this could be accomplished using automated identification and authentication processes, as will be understood by those skilled in the art. New customers are registered by submitting the requisite information at step
25 302. At step 303, the customer's instruction to place a new bid in the sale or to increase the number of units in an existing bid is processed if the current time is between the Start Time and the Close Time. Instructions to decrease a bid or withdraw it altogether are processed at step 304 by checking to see

whether the Hold Time for the sale has occurred. At step 305, an error message is returned to the customer if the Hold Time for the sale has passed, informing the customer that the bid cannot be deleted or reduced. If the Hold Time has not passed, the customer's bid is deleted or reduced at step 306 accordingly, and Bid Database 128 is updated.

At step 307, Bid Process Manager 116 computes a new price based on the change in bid reflected after step 306. If the user submits a bid identifying the product name and the number of units desired, the price is obtained by adding up the total number of units requested so far and using the vendor's price schedule to calculate the current price. Thus, if 120 units have been requested so far and the vendor is offering a price schedule including 100-120 units for \$5.50, then the current price is \$5.50 per unit.

If the user submits a bid including product name, number of units desired, and maximum bid price, then the price is obtained by: (i) calculating the total number of units desired thus far; (ii) using the vendor's price schedule to determine the current price; (iii) identifying all bids (matching bids) having a higher maximum bid price than the current price; (iv) computing the total number of units requested by the matching bids and using the vendor's price schedule to find out what the vendor's price would be for that volume; (v) if the price obtained from step (iv) is the same as the current price, then the current price is accurate, if not, then current price is set to the price computed in step (iv) and steps (iii) to (v) are repeated; finally, all bids identified in step (iii) at the termination of the process are the successful bids so far, and the price they would pay is the "current price" computed in step (v). If there are no successful bids at the conclusion of this process, then the current price is simply the list price.

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Current users wishing to issue an invitation are first checked at step 502 to determine if they are registered. If not, they are registered and added to Customer Database 122 at step 503. At step 504, the system checks to see whether the invitation is valid. Invitation validity may be determined in a manner dependant upon the prevailing policies in the system, such as that a customer must invite another user to a specific sale only, or that no more than five users may be invited at any given time, or that the customer must fill out certain pieces of information about each user being invited to join. At step 505, an error message is returned if the invitation is not validated at step 504. Valid invitations are formatted and then communicated to the desired prospective users at step 506. Suitable means of communication include email, fax, web-posting, postal mail and the like.

Invited users are checked at step 507 to determine whether they are in Customer Database 122. If the invitee is already a registered customer, then Invitation Manager 114 simply reminds the user. Alternatively, at step 508 the requisite information is obtained and the invitee is added to Customer Database 122, thereby registering the user. Preferably, suitable identification of the invitor to the record of the invitee at step 509.

The present inventive system and method for aggregating buyers can be implemented in a number of ways. Different ways have different advantages and disadvantages, but any one of these approaches would afford a low volume buyer the opportunity to gain high volume discounts.

The invention differs from a typical purchasing club in the following ways. First, the buyer is not necessarily required to make an up-front commitment or execute an annual contract with any entity. A buyer who discovers an interest in a particular product can decide to register at that time and place his bid for the product. Second, the aggregation of purchasing

power is for a specific product being bid on and not necessarily for all the products being offered at any given time. For a specific product, the bidding buyer has an opportunity for volume discounts based on how many other people bid for the product. Next, there is no intermediary or other entity that negotiates on behalf of the buyers. Multiple vendors may offer the same product and buyers place a bid with different vendors. The aggregation of their orders with a specific vendor as opposed to another vendor is the forum by which buyers directly negotiate how they wish to purchase a particular product. Finally, since the final price paid for a product depends entirely on the action of the temporary buying community that is created online, there is every reason for buyers to coordinate their actions. In fact, buyers may invite other prospective buyers who may not be aware of the existence of this vendor or product to join the community. This coordinated buying effort has a direct impact on the final price paid by the temporary buying community for that product.

The invention has significant differences from other e-commerce approaches. For example, in standard e-commerce a vendor places products for sale, usually with just one price. An interested buyer can purchase the product online. Even in the cases that a vendor posts a volume based price schedule, it is always meant to apply to a single buyer who may buy multiple units to take advantage of the volume discount. This approach to e-commerce does not address how a low volume buyer can take advantage of the volume discount without having to personally buy more units of the product. In another example, the Internet has popularized auction sites. Typically, multiple buyers bid competitively against each other for a given product. Under this model, the aggregation of buyers actually increases prices. In contrast, the invention described here lowers prices by aggregating buyers.

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The present invention therefore provides a novel method and system for low volume buyers to aggregate purchasing power to gain high volume discounts. Although the present invention has been shown and described with respect to preferred embodiments, various changes and modifications lie within the spirit and scope of the claimed invention. For example, items bid upon need not be intended for immediate delivery, but may instead be for a contract to take delivery of an amount of product over a period of time, such as a five percent discount for 1000 tons of product over three years and a ten percent discount for 2000 pounds of product over three years. The vendor may further require a minimum tonnage requirement over a specified time period to bid, and discounts may vary based on any of the variables – such as amount, time to delivery, or price. Thus, the corresponding structures, materials, acts, and equivalents of all means or step plus function elements in the claims are intended to include any structure, material, or acts for performing the functions in combination with other elements as specifically claimed.

What is claimed is:

- 093148612-070799
- 1 1. A computerized system for aggregating purchasing power
2 comprising:
3 a) a Merchandise Submission Form to obtain sale information
4 about a product from a vendor;
5 b) a Bid Submission Form to obtain bid information for the product
6 from a plurality of buyers;
7 c) a Vendor Process Manager to store sale information in a Sale
8 Database;
9 d) a Bid Process Manager to store bid information in a Bid
10 Database; and
11 e) a Sale manager to match bid information and sale information
12 and generate orders for the product.
 - 1 2. The computerized system of claim 1 wherein the Vendor Process
2 Manager requires a volume discount price schedule.
 - 1 3. The computerized system of claim 1 further comprising an Invitation
2 Manager to issue buying invitations to prospective buyers and accept buying
3 invitations from prospective buyers.
 - 1 4. The computerized system of claim 3 further comprising an Invitation
2 Submission/Acceptance Form to obtain information for the Invitation Manager.
 - 1 5. The computerized system of claim 1, wherein the Bid Process
2 Manager allows new bids, increased bids, decreased bids and withdrawn bids for
3 the product between a Start Time and a Close Time.

1 6. The computerized system of claim 4, wherein the Bid Process
2 Manager prevents decreased bids and withdrawn bids after a Hold Time occurring
3 between the Start Time and the Close Time.

1 7. The computerized system of claim 1, wherein buyers and the vendor
2 submit and receive information from the computerized system by way of a wide
3 area network.

1 8. The computerized system of claim 7, wherein the wide area network
2 comprises the internet.

1 9. The computerized system of claim 1, further comprising a
2 Merchandise Description Database to store product information and a Vendor
3 Database to store vendor information obtained from the Merchandise Submission
4 Form.

1 10. A computerized system for aggregating purchasing power
2 comprising:

- 3 a) Vendor Process means for obtaining sale information from a
4 vendor about a product;
5 b) Bid Process means for obtaining bid information for the product
6 from a plurality of buyers; and
7 c) a Sale means for matching bid information and sale information
8 and generate orders for the product.

1 11. The computerized system of claim 10 wherein the Vendor Process
2 means requires a volume discount price schedule.

1 12. The computerized system of claim 10 further comprising an Invitation
2 means for issuing buying invitations to prospective buyers and accepting buying
3 invitations from prospective buyers.

1 13. The computerized system of claim 10, wherein the Bid Process
2 means further comprises means to allow new bids, increased bids, decreased bids
3 and withdrawn bids for the product between a Start Time and a Close Time.

1 14. The computerized system of claim 13, wherein the Bid Process
2 means prevents decreased bids and withdrawn bids after a Hold Time occurring
3 between the Start Time and the Close Time.

1 15. The computerized system of claim 10, wherein the Bid Process means
2 and the Vendor Process means transmits information between the system and the
3 vendor and the buyers over a wide area network.

1 16. The computerized system of claim 15, wherein the wide are network
2 comprises the internet.

1 17. A computer-implemented method for aggregating purchasing power
2 comprising the steps of:

- 3 a) obtaining sale information about a product from a vendor;
4 b) obtaining bid information for the product from a plurality of
5 buyers;
6 c) storing and organizing the sale information;
7 d) storing and organizing the bid information;
8 e) matching bid information and sale information; and
9 f) generating orders for the product.

1 18. The method of claim 17, wherein the step of obtaining sale
2 information further comprises obtaining a volume discount price schedule.

1 19. The method of claim 17, further comprising the steps of obtaining
2 invitation information about prospective buyers and issuing invitations to the
3 prospective buyers.

1 20. The method of claim 17, wherein the step of obtaining bid
2 information allows new bids, increased bids, decreased bids and withdrawn bids
3 for the product between a Start Time and a Close Time.

1 21. The method of claim 20, wherein the step of obtaining bid
2 information prevents decreased bids and withdrawn bids after a Hold Time
3 occurring between the Start Time and the Close Time.

1 22. The method of claim 17, wherein buyers and the vendor submit and
2 receive information from the computerized system by way of a wide area network..

1 23. A computer-readable medium containing instructions for controlling a
2 computer to aggregate purchasing power by:

- 3 a) obtaining sale information about a product from a vendor;
4 b) obtaining bid information for the product from a plurality of
5 buyers;
6 c) storing and organizing the sale information;
7 d) storing and organizing the bid information;
8 e) matching bid information and sale information; and
9 f) generating orders for the product.

1 24. The computer-readable medium of claim 23, wherein the instructions
2 for obtaining sale information further comprise obtaining a volume discount price
3 schedule.

1 25. The computer-readable medium of claim 23, further comprising
2 instructions for obtaining invitation information about prospective buyers and
3 issuing invitations to the prospective buyers.

1 26. The computer-readable medium of claim 23, wherein the instructions
2 for obtaining bid information allow new bids, increased bids, decreased bids and
3 withdrawn bids for the product between a Start Time and a Close Time.

1 27. The method of claim 26, wherein the instructions for obtaining bid
2 information prevent decreased bids and withdrawn bids after a Hold Time occurring
3 between the Start Time and the Close Time.

1 28. The computer-readable medium of claim 23, further comprising
2 instructions for storing product information and for storing vendor information.

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**METHOD AND SYSTEM FOR LOW VOLUME BUYERS TO
AGGREGATE PURCHASING POWER**

Inventor: Sashidhar P. Reddi

5

ABSTRACT

A method and system for low volume buyers to aggregate their purchasing power to gain high volume discounts. Vendors display information about their products and services along with a price schedule that provides greater discounts for bigger volume of purchases. For example, buying 1 unit costs \$100 per unit, 10 units would cost \$90 per unit, and 1000 units cost \$60 per unit. Another example of a volume discount is the price paid by each buyer is the total value demanded by the vendor divided equally between all interested buyers. Buyers then aggregate online to take advantage of these volume discounts. Unlike an auction model, where more buyers mean higher prices, here more buyers lead to lower prices.

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**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**METHOD AND SYSTEM FOR LOW VOLUME BUYERS TO AGGREGATE
PURCHASING POWER**

the specification of which (check one) X is attached hereto or ___ was filed on ___ as Application No. ___ and was amended on ___ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed
Yes No

Number	Country	Day/Month/Year Filed
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Number	Country	Day/Month/Year Filed
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I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) below.

Application Number	Filing Date
--------------------	-------------

Application Number	Filing Date
--------------------	-------------

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Filing Date	Status: Patented, Pending, Abandoned
--------------------	-------------	--------------------------------------

Application Number	Filing Date	Status: Patented, Pending, Abandoned
--------------------	-------------	--------------------------------------

I HEREBY APPOINT THE FOLLOWING AS MY ATTORNEYS WITH FULL POWER OF SUBSTITUTION TO PROSECUTE THIS APPLICATION AND TRANSACT ALL BUSINESS IN THE PATENT OFFICE CONNECTED THEREWITH:

<u>Attorney</u>	<u>Reg. No.</u>
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Inventor's signature Sashi Reddi 07/02/99
Date

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093448013.070799

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Sashidhar P. Reddi

Examiner:

For: METHOD AND SYSTEM FOR LOW
VOLUME BUYERS-TO AGGREGATE
PURCHASING POWER

Group Art Unit:

Serial No. {new}

Filed: Herewith

POWER OF ATTORNEY BY ASSIGNEE

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

ICOOP, Inc., Assignee of the above-identified application by assigned dated July 2, 1999, hereby appoints the members of the firm of CROSBY, HEAFEY, ROACH & MAY, a firm composed of Malcolm B. Wittenberg, Registration No. 27,028, Philip M. Shaw, Jr., Registration No. 25,376, J. William Wigert, Jr., Registration No. 24,582, Nathan P. Koenig, Registration No. 38,210, Adam H. Tachner, Registration No. 40,343, and Ying Tuo, Registration No. 38,789, as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

Please direct all correspondence regarding this application to the following:

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Power of Attorney
By Assignee

1

Serial No. {new}

The undersigned has reviewed the original or a copy of any documents(s) filed in the Patent and Trademark Office which evidence that the Assignee holds title to the above-identified application. The undersigned certifies that, to the best of Assignee's knowledge and belief, title to this invention is in the Assignee. 37 C.F.R. § 3.73(b).

ICOOP, Inc.

Dated: 07/02/, 1999

By: Sashidhar P. Reddi

Name: Sashidhar P. Reddi

Title: Chairman

662040-21864E60

Power of Attorney
By Assignee

2

Serial No. {new}

664040-2184E60

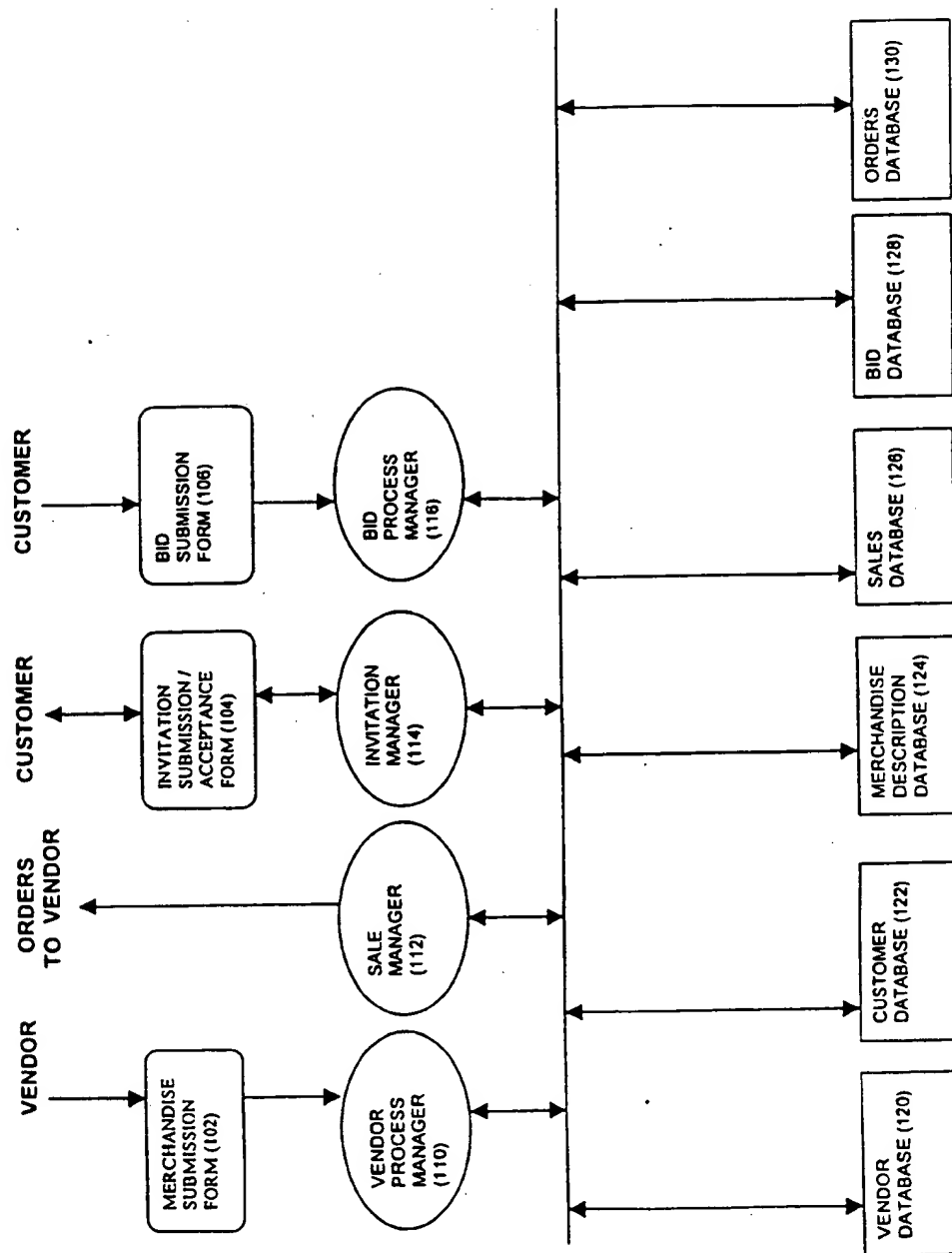


FIG. 1
OVERALL SYSTEM

004020-2183460

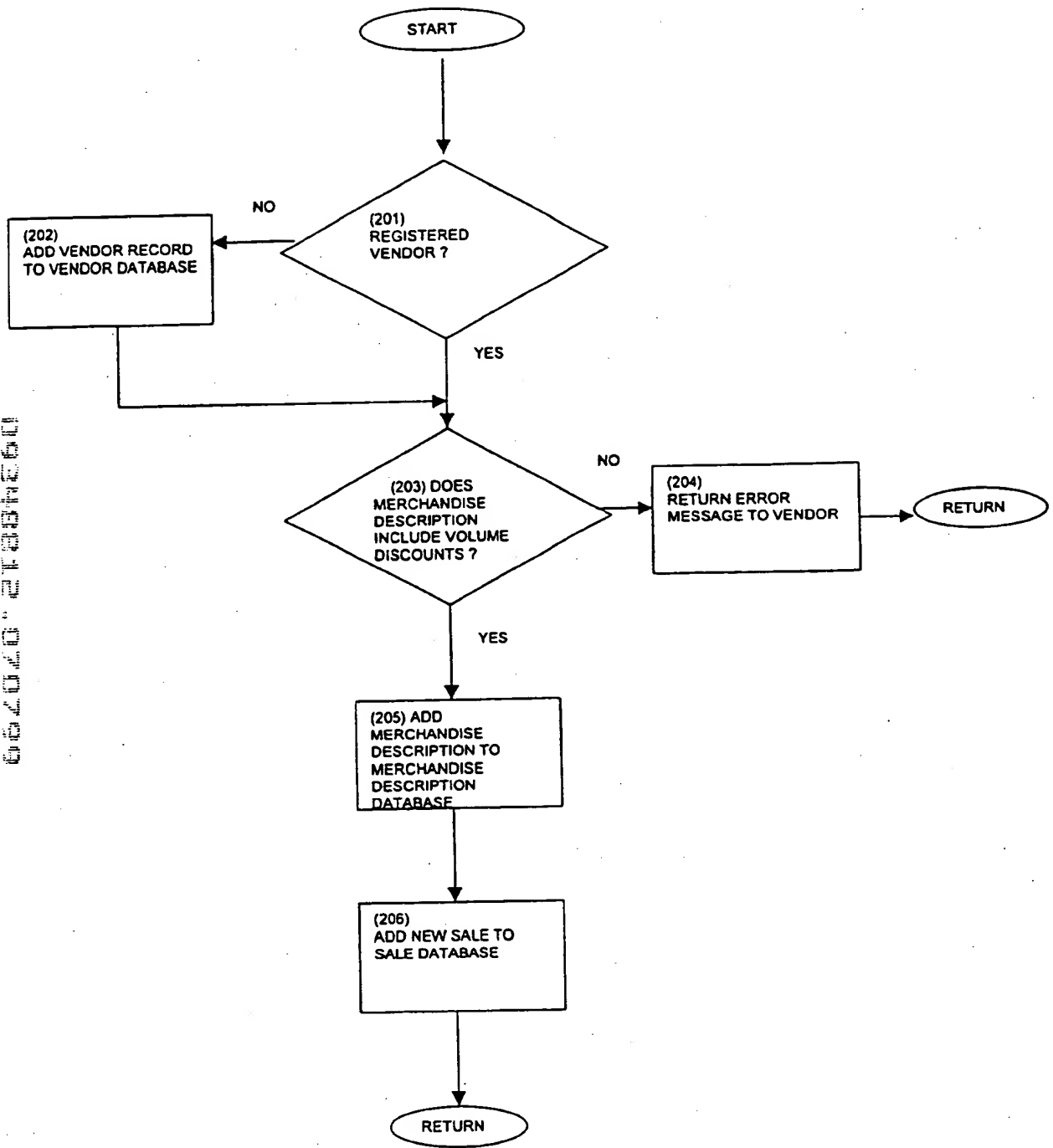


FIG. 2
VENDOR PROCESS MANAGER

664020 21384650

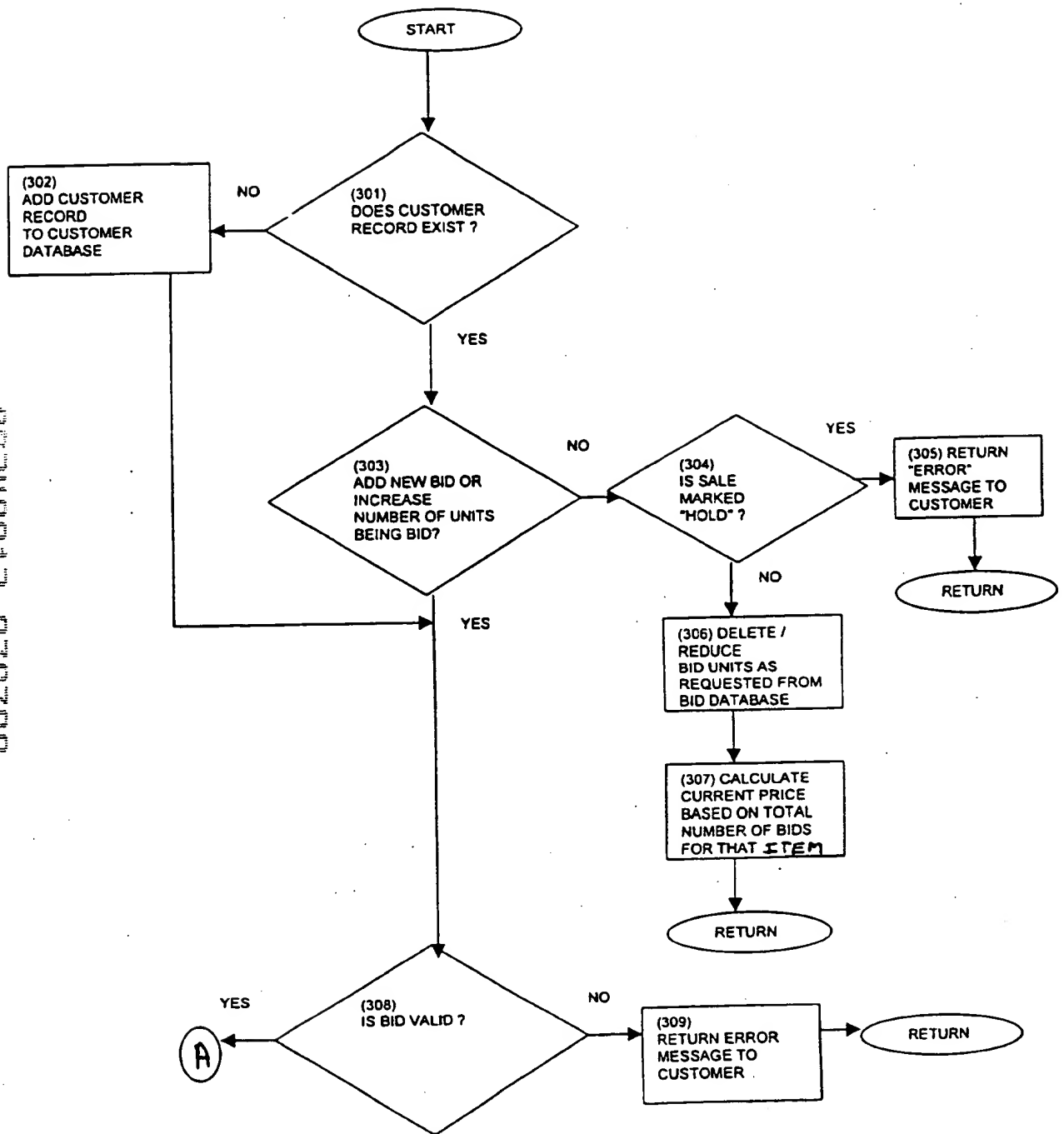


FIG. 3A
BID PROCESS MANAGER

09348812-070799

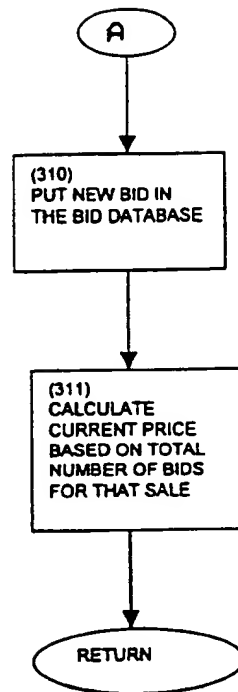


FIG. 3B
BID PROCESS MANAGER

662010-21884660

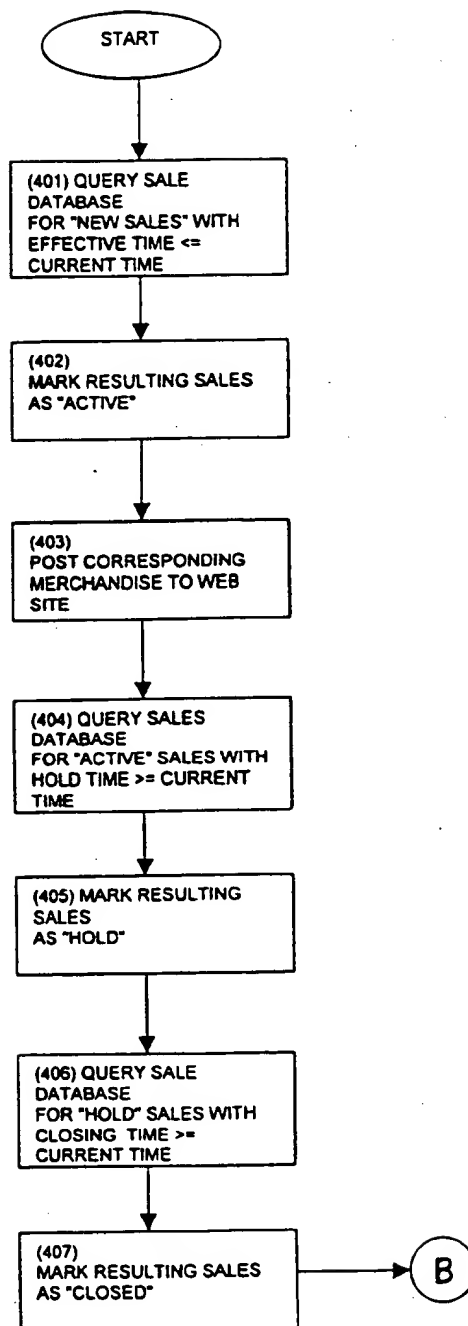


FIG. 4 A
SALE MANAGER

00348012-070799

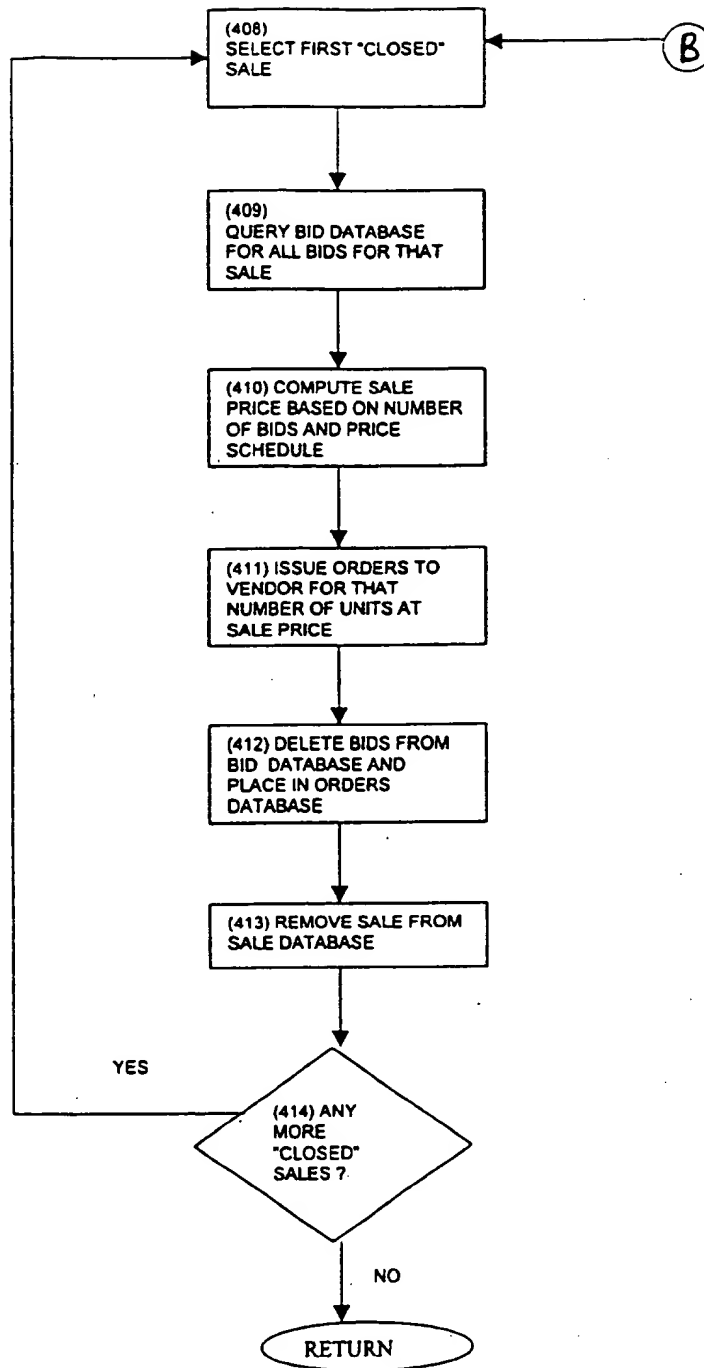


FIG. 4B
SALE MANAGER

062020-ETB01E00

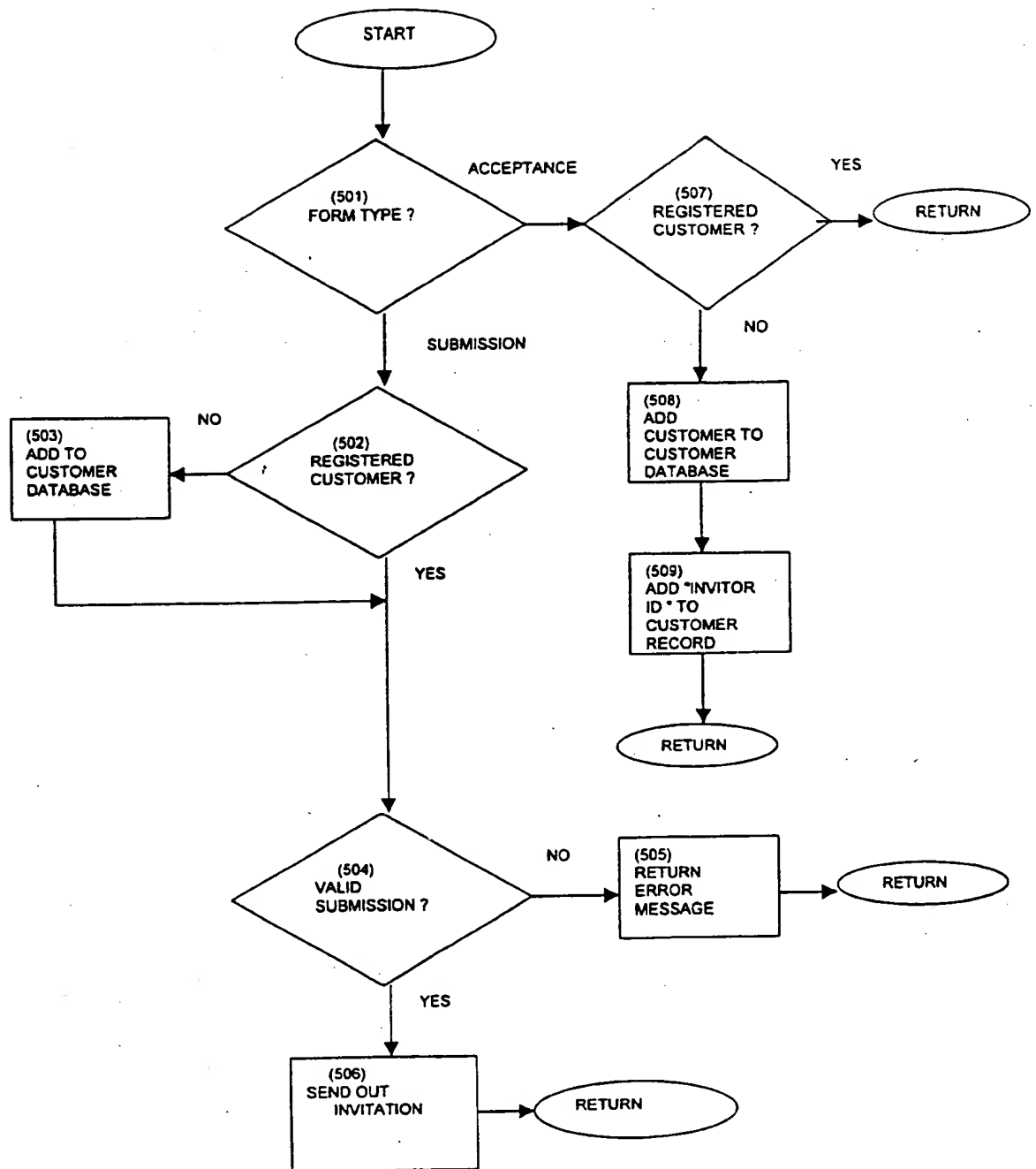


FIG. 5
INVITATION MANAGER

